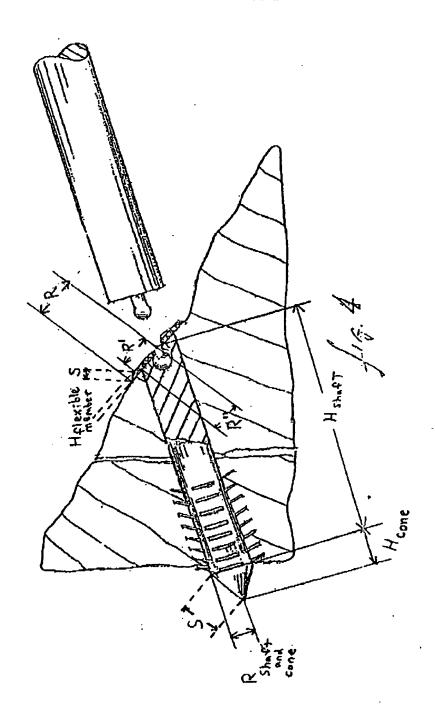
EXHIBIT B



Flexible Member

Radius of top R' = 9 mm Radius of bottom R = 11.5 mm Height H = 1.0 mm Radius of juncture of bottom of flexible member and shaft R" = 7 mm Slant height (bevel) $S=((R-R')^2 + H^2)^5 = ((11.5 - 3)^2 + (1.0)^2)^5 = 2.69$ mm

Lateral area (beveled portion) = $3.14S(R+R')=3.14(2.69)(11.5+9)=173.16 \text{ mm}^2$ Area of top = $3.14(R')^2=3.14(9)^2=254.34 \text{ mm}^2$ Area of bottom = $3.14R^2-3.14(R'')^2=3.14(11.5)^2-3.14(7)^2=261.41 \text{ mm}^2$ Volume = $1/3(3.14)H(R^2+(R)(R')+R'^2)=1/3(3.14)(1.0)((11.5)^2+(11.5)(9)+(9)^2)=1,577.33 \text{ mm}^3$

Total surface area: $173.16 + 254.34 + 261.41 = 849.84 \text{ mm}^2$

Surface area to mass ratio (density term dropped out because materials identical for each of the flexible member and the shaft)

Surface Area / Volume = $849.84 \text{ mm}^2 / 1,577.33 \text{mm}^3 = 0.54$

Shaft

Cylinder:

Radius R = 6 mm Height H = 68mm

Area = 2(3.14)th = 2(3.14)(6)(68) = 2,562.24 mm² Volume = (3.14)R²H = (3.14)(6)² (68) = 7,686.72 mm³

Cone:

Radius R = 6 mm Height H = 11mm Slant Height S = 12.5 mm

Area = $(3.14)RS = (3.14)(6)(12.5) = 235.5 \text{ mm}^2$ Volume = $1/3(3.14) R^2H = 1/3(3.14)(6)^2 (11) = 414.48 \text{ mm}^3$

Total surface area: $2,562.24 + 235.5 = 2,797.74 \text{ mm}^2$ Total volume: $7,686.72 + 414.48 = 8,101.2 \text{ mm}^3$

<u>Surface area to mass ratio</u> (density term dropped out because materials identical for each of the flexible member and the shaft)

Surface Area / Volume = $2,797.74 \text{ mm}^2 / 8,101.2 \text{ mm}^3 = 0.34$

The surface area to mass ratio of the flexible member (0.54) is greater than the shaft (0.34).

Note: measurements were taken from Fig. 4 as filed. Fig. 4 as presented in Exhibit B is an enlarged view of Fig. 4 as filed.